

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 11-275PCT	<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;"> FOR FURTHER ACTION </div> <div> see Form PCT/ISA/220 as well as, where applicable, item 5 below. </div> </div>	
International application No. PCT/NZ2005/000018	International filing date (<i>day/month/year</i>) 16 February 2005	(Earliest) Priority Date (<i>day/month/year</i>) 18 February 2004
Applicant ASSA ABLOY NEW ZEALAND LIMITED et al.		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of **6** sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (See Box No. II).

3. ☒ **Unity of invention is lacking** (See Box No. III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. **7**

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

See Supplemental Sheet.

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-14, 20

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

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International application No.
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A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. ⁷: E05C 1/16, E05C 17/48, E05B 47/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

DWPI: IPC: E05C 1/08, 1/12, 1/16, 17/46, 17/48, 17/56, 17/62, 19/16, E05B 47/00, 17/22, 59/00, 61/00 & Keywords (Latch, Magnet);

IPC: E05C 1/-, 7/-, 9/-, 17/-, 19/-, E05B 55/- & Keywords (Latch, Magnet, Bias) & like terms

ESP@CE: Keywords (window, magnet, latch, sash, vertical); IPC E05D 15/24, 15/16, 15/18 & Keyword (Latch)

USPTO: Keywords (window, slide, magnet, latch)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3794366 A (GRAHAM) 26 February 1974 Whole document	1-5, 7-8, 13
X	GB 2286627 A (TOTAL PRODUCT SALES LTD) 23 August 1995 Figures 4-8; page 2, line 15 – page 6, line 16	1-5, 7-8, 13
X	US 5362116 A (DOYLE et al.) 8 November 1994 Whole document	1-5, 7-8, 13
X	US 6630877 B2 (MANTHEY) 7 October 2003 Figures 1-3; column 2, line 66 – column 3, line 7 & column 3, line 40-46	1-2, 4-5, 7-8, 13



Further documents are listed in the continuation of Box C



See patent family annex

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"E" earlier application or patent but published on or after the international filing date

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"O" document referring to an oral disclosure, use, exhibition or other means

"&" document member of the same patent family

"P" document published prior to the international filing date but later than the priority date claimed

Date of the actual completion of the international search
13 May 2005Date of mailing of the international search report
19 MAY 2005

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3790197 A (PARKER) 5 February 1974 Whole document	6
A	US 2524924 A (PAMPALLONA) 10 October 1950 Especially figure 1; Column 2, line 42 – column 3, line 14	9-14

Supplemental Box

(To be used when the space in any of Boxes I to VIII is not sufficient)

Continuation of Box No: III

The international application does not comply with the requirements of unity of invention because it does not relate to one invention or to a group of inventions so linked as to form a single general inventive concept. In coming to this conclusion the International Searching Authority has found that there are different inventions as follows:

1. Claims 1-14, 20 are directed to a self latching device with a biasing means to bias the latch member into one of the latching and non-latching positions, and magnetic means for moving the latch member into the other of said latching and non-latching positions. It is considered that the use of a magnetic means to move the latching member against a bias comprises a first potentially "special technical feature".
2. Claims 15-19 are directed to a vertically sliding window sash with a self latching device, the latch member being engaged in a strike located in a portion of the frame adjacent the vertical side element of the sash, the latch having moving means for moving the latch member into engagement with the strike. It is considered that the latch engaging a strike located in the frame adjacent the vertical side of the sash comprises a second potentially "special technical feature".

Since the abovementioned groups of claims do not share either of the technical features identified, a "technical relationship" between the inventions, as defined in PCT rule 13.2 does not exist.

The feature common to all of the claims is simply a self latching latch with means for moving the latch member into engagement with the strike. However this common feature is generic in the art. Consequently the common feature does not constitute "a special technical feature" within the meaning of PCT Rule 13.2, second sentence, since it makes no contribution over the prior art. Thus no technical relationship within the meaning of PCT Rule 13 between the different inventions can be seen. Therefore, a posteriori, the claims do not satisfy the requirement of unity of invention.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/NZ2005/000018

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member			
US	3794366				
GB	2286627	JP	7233665	JP	7233666
US	5362116	AU	76138/91	CA	2088680
		WO	9203631	NZ	239369
US	6630877	AU	31632/01	DE	10064747
		EP	1242708	DE	19961893
				US	2002167382
				WO	0146545
US	3790197				
US	2524924				
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.					
END OF ANNEX					